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| Form PTO-1449 INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) | Attorney Docket No. C152 1131.1 | Serial No. 10/686,149 |
| | Applicant Crafton et al. | |
| | Filing Date October 15, 2003 | Group |

U.S. PATENT DOCUMENTS

| Examiner Initials | Item | Document Number | Date | Name | Class | Subclass | Filing Date If Appropriate |
|----------------------|------|--------------------|-------|-----------------|-------|----------|-------------------------------|
| <i>MB</i> | A | 4,111,158 | 09/78 | Reh et al. | 122 | 4D | |
| <i>MB</i> | B | 4,270,468 | 06/81 | Robinson et al. | 110 | 245 | |
| <i>MB</i> | C | 4,273,073 | 06/81 | Robinson | 122 | 4D | |
| <i>MB</i> | D | 4,291,635 | 09/81 | Nelson | 110 | 245 | |
| <i>MB</i> | E | 4,312,702 | 01/82 | Tomlinson, II | 162 | 30R | |
| <i>MB</i> | F | 4,465,021 | 08/84 | Richter et al. | 122 | 4D | |
| <i>MB</i> | G | 4,470,254 | 09/84 | Chen et al. | 60 | 39.02 | |
| <i>MB</i> | H | 4,476,790 | 10/84 | Borio et al. | 110 | 245 | |
| <i>MB</i> | I | 4,481,892 | 11/84 | Mah | 110 | 263 | |
| <i>MB</i> | J | 4,584,949 | 04/86 | Brännström | 110 | 346 | |
| <i>MB</i> | K | 4,617,877 | 10/86 | Gamble | 122 | 4D | |

FOREIGN PATENT DOCUMENTS

| | Document Number | Date | Country | Class | Subclass | Translation | |
|-----------|--------------------|-------|---------|-------|----------|-------------|----|
| | | | | | | Yes | No |
| <i>MB</i> | L 10-122541 | 05/98 | Japan | | | | |
| <i>MB</i> | M 9-290234 | 11/97 | Japan | | | | |
| <i>MB</i> | N 07180825 | 07/95 | Japan | F23J | 1/00 | | |
| <i>MB</i> | O 01304094 | 12/89 | Japan | B09B | 3/00 | | |
| <i>MB</i> | P DE 19729117 | 01/99 | Germany | F23J | 15/02 | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

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|-----------|---|--------------------------------------|
| <i>MB</i> | Q | Fluid Bed Combustion - Pages 542-549 |
| | | |
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|-------------------|------|-----------------|-------|-----------------|-------|----------|----------------------------|
| <i>MAJ</i> | R | 4,739,715 | 04/88 | Couarc'h et al. | 110 | 346 | |
| <i>MAJ</i> | S | 4,775,516 | 10/88 | Kempster et al. | 422 | 80 | |
| <i>MAJ</i> | T | 4,829,912 | 05/89 | Alliston et al. | 110 | 345 | |
| <i>MAJ</i> | U | 4,843,981 | 07/89 | Goldbach et al. | 110 | 347 | |
| <i>MAJ</i> | V | 4,915,039 | 04/90 | Ringel | 110 | 346 | |
| <i>MAJ</i> | W | 4,961,756 | 10/90 | Rich, Jr. | 44 | 605 | |
| <i>MAJ</i> | X | 4,981,111 | 01/91 | Bennett et al. | 110 | 347 | |
| <i>MAJ</i> | Y | 5,044,287 | 09/91 | Furukawa et al. | 110 | 346 | |
| <i>MAJ</i> | Z | 5,070,821 | 12/91 | Virr | 122 | 7K | |
| <i>MAJ</i> | AA | 5,109,201 | 04/92 | Trerice et al. | 324 | 642 | |
| <i>MAJ</i> | AB | 5,154,732 | 10/92 | Hakulin et al. | 48 | 62R | |

FOREIGN PATENT DOCUMENTS

| | Document Number | Date | Country | Class | Subclass | Translation | |
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| | | | | | | Yes | No |
| <i>MAJ</i> | AC 0 227 196 | 07/87 | Europe | C10J | 3/54 | | |
| | AD 8601942 | 02/88 | Germany | C04B | 18/08 | | |
| <i>MAJ</i> | AE 1577233 | 10/80 | London | C04B | 31/10 | | |
| | AF JP9-290234 | 04/96 | Japan | B09B | 3/00 | | |
| | AG JP10-122541 | 10/96 | Japan | F23J | 1/00 | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

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|--------------------|------|-----------------|-------|-----------------|-------|----------|----------------------------|
| 20/7/03 | AH | 5,159,886 | 11/92 | Schaub et al. | 110 | 347 | |
| 20/7/03 | AI | 5,161,471 | 11/92 | Piekos | 110 | 165R | |
| 20/7/03 | AJ | 5,165,795 | 11/92 | Hauffe | 314 | 45 | |
| 20/7/03 | AK | 5,173,662 | 12/92 | Trerice et al. | 324 | 642 | |
| 20/7/03 | AL | 5,190,451 | 03/93 | Goldbach | 431 | 5 | |
| 20/7/03 | AM | 5,299,692 | 04/94 | Nelson et al. | 209 | 2 | |
| 20/7/03 | AN | 5,344,632 | 09/94 | Tang | 423 | 244.07 | |
| 20/7/03 | AO | 5,396,849 | 03/95 | Boyd | 110 | 342 | |
| 20/7/03 | AP | 5,163,374 | 11/92 | Rehmat et al. | 110 | 342 | |
| 20/7/03 | AQ | 5,399,194 | 03/95 | Cochran et al. | 106 | 405 | |
| 20/7/03 | AR | 5,443,806 | 08/95 | Isaksson et al. | 423 | 237 | |

FOREIGN PATENT DOCUMENTS

| | Document Number | Date | Country | Class | Subclass | Translation | |
|---------------|------------------------|------------------|----------------|-----------------|-----------------|-------------|----|
| | | | | | | Yes | No |
| AS | WO 01/33140 | 05/01 | PCT | F23G | 5/30 | | |
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|-------------------|------|-----------------|-------|-------------------|-------|----------|----------------------------|
| <i>MA 7/12/04</i> | AT | 5,471,955 | 12/95 | Dietz | 122 | 4D | |
| <i>MA 7/12/04</i> | AU | 5,484,476 | 01/96 | Boyd | 106 | 405 | |
| <i>MA 7/12/04</i> | AV | 5,655,463 | 08/97 | Good | 110 | 211 | |
| <i>MA 7/12/04</i> | AW | 5,715,764 | 02/98 | Lyngfelt et al. | 110 | 245 | |
| <i>MA 7/12/04</i> | AX | 5,934,892 | 08/99 | Rabovitser et al. | 431 | 10 | |
| <i>MA 7/12/04</i> | AY | 5,160,539 | 11/92 | Cochran | 106 | 405 | |
| <i>MA 7/12/04</i> | AZ | 5,749,308 | 05/98 | Bachik | 110 | 344 | |
| <i>MA 7/12/04</i> | BA | 5,868,084 | 02/99 | Bachik | 110 | 257 | |
| <i>MA 7/12/04</i> | BB | 5,415,111 | 05/95 | Lewnard et al. | 110 | 222 | |
| <i>MA 7/12/04</i> | BC | 4,934,282 | 06/90 | Asai et al. | 110 | 244 | |
| <i>MA 7/12/04</i> | BD | 4,688,521 | 08/87 | Korenberg | 122 | 4D | |

FOREIGN PATENT DOCUMENTS

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|-------------------|------|-----------------|-------|---------------|-------|----------|----------------------------|
| <i>2/18/04</i> | BE | 5,829,368 | 11/98 | Cote et al. | 110 | 342 | |
| <i>2/18/04</i> | BF | 4,683,840 | 08/87 | Morin | 122 | 4D | |
| <i>2/18/04</i> | BG | 5,339,774 | 09/94 | Tang | 122 | 4D | |
| <i>2/18/04</i> | BH | 5,069,171 | 12/91 | Hansen et al. | 122 | 4D | |
| <i>2/18/04</i> | BI | 5,133,943 | 07/92 | Abdulally | 422 | 145 | |
| <i>2/18/04</i> | BJ | 4,579,070 | 04/86 | Lin et al. | 110 | 345 | |
| <i>2/18/04</i> | BK | 5,425,317 | 06/95 | Schaub et al. | 110 | 346 | |
| <i>2/18/04</i> | BL | 4,051,791 | 10/77 | Wormser | 110 | 28R | |
| <i>2/18/04</i> | BM | 5,682,828 | 11/97 | Phalen et al. | 110 | 245 | |
| <i>2/18/04</i> | BN | 5,755,838 | 05/98 | Tanaka et al. | 48 | 77 | |
| <i>2/18/04</i> | BO | 5,484,476 | 01/96 | Boyd | 106 | 405 | |

FOREIGN PATENT DOCUMENTS

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|-----------------------|------|-----------------|-------|--------------------|-------|----------|----------------------------|
| Examiner Initials | Item | Document Number | Date | Name | Class | Subclass | Filing Date If Appropriate |
| <i>2/2/03</i> | BP | 4,374,652 | 02/83 | Zahedi et al. | 55 | 6 | |
| <i>2/2/03</i> | BQ | 4,929,255 | 05/90 | Hakulin et al. | 48 | 197R | |
| <i>2/2/03</i> | BR | 4,969,930 | 11/90 | Arpalahti | 48 | 197R | |
| <i>2/2/03</i> | BS | 5,846,313 | 12/98 | Chuang | 106 | 705 | |
| <i>2/2/03</i> | BT | 6,240,859 | 06/01 | Jones, Jr. | 110 | 345 | |
| <i>2/2/03</i> | BU | 5,996,808 | 12/99 | Levy et al. | 209 | 474 | |
| <i>2/2/03</i> | BV | 5,336,317 | 08/94 | Beisswenger et al. | 106 | 745 | |
| <i>2/2/03</i> | BW | 6,202,573 | 03/01 | Bachik | 110 | 165A | |
| <i>2/2/03</i> | BX | 6,457,425 | 10/02 | Crafton et al. | 110 | 346 | |
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| FOREIGN PATENT DOCUMENTS | | | | | | | | |
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| OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, etc.)</i> | | |
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